



iskydance V2PlusR12 Dual Color LED Controller Kit Owner’s Manual

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V2+R12
Dual Color LED Controller Kit



FC CE RoHS RED IC

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V2PlusR12 Dual Color LED Controller Kit

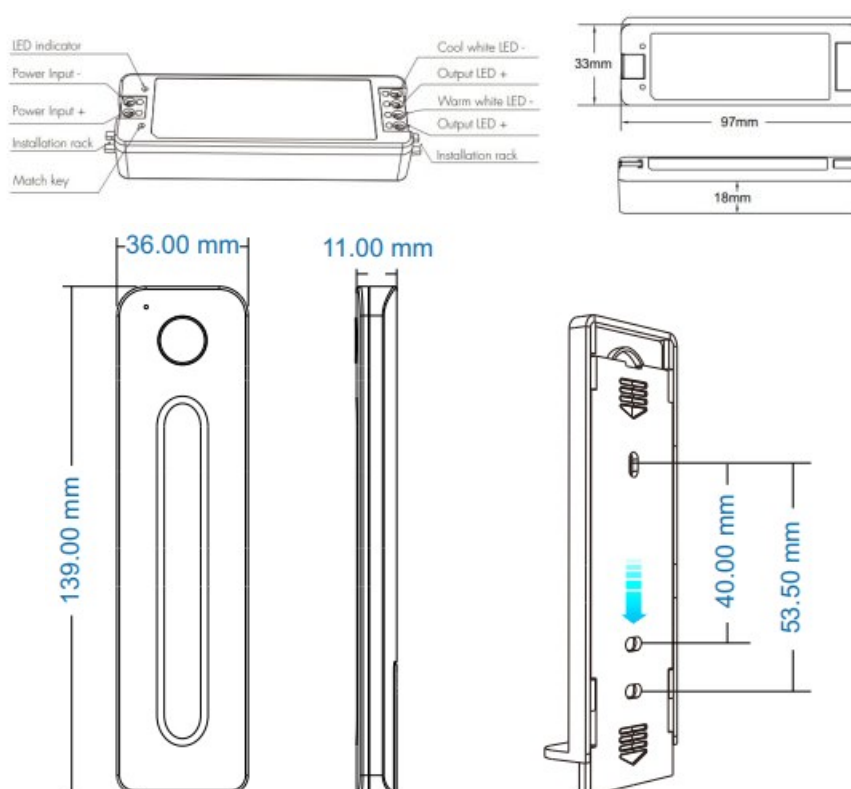
- Ultra sensitive color temperature touch slide.
- Smooth dimming and switch without any ickering.
- Light on/off fade time 3s selectable.
- Magnet on the back which can be easily stuck on back holder or any metal surfaces.

Technical Parameters

LED Receiver's Input and Output		LED Remote's Input and Output	
Input voltage	10.5A	Output signal	RF2.4GHz
Input current	12-24VDC	Working voltage	3VDC(CR2032)
Output voltage	2x(12-24)VDC	Working current	5mA
Output current	2CH,5A/CH	Standby current	10μA
Output power	2x(60-120)W	Standby time	1.year
Output type	Constant voltage	Remote distance	30m(Barrier-free space)
Dimming data		Warranty and Protection	
Dimming level	0 -100%		
Dimming range	Logarithmic	Warranty	5 years
Dimming curve	4096 (2 ¹²) levels	Protection	Reverse polarity Short circuit
PWM Frequency	2000Hz (default)		

Safety and EMC	
Radio Equipment	EN 55015 EN IEC 61547:2023 ETSI EN 301 489-1 ETSI EN 301 489-3 ETSI EN 301 489-17 EN 55032EN 55035
EMC standard	EN 61347-2-11 EN 61347-1
Safety standard	EN 62479:2010 EN 50663:2017 ETSI EN 300 440 ETSI EN 300 328
Certication	CE RED
Environment	
Operation temperature	Ta: -30 OC ~ +55 OC
Case temperature (Max.)	Tc: +85 OC
IP rating	IP20

Mechanical Structures and Installations

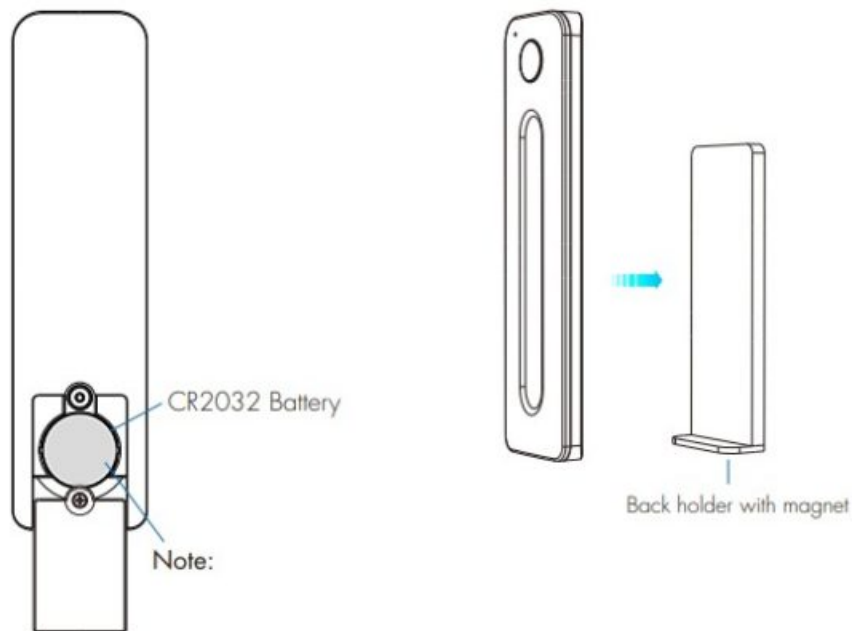


To fix the remote, three options are offered for selection:

Option 1. Can be adsorbed directly onto metal surfaces.

Option 2. Fix the remote' back holder on the wall with two screws.

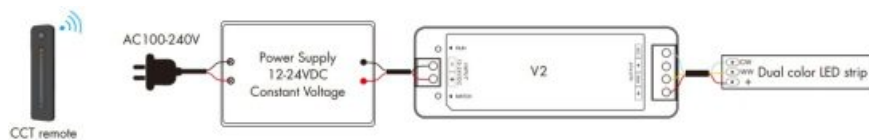
Option 3. Adhere the remote' back holder to the wall with paster.



Note:

1. Before the first use, please remove the protective film on the battery.
2. If the LED indicator is not on when press key, it is due to dead battery or bad contact caused by multiple plugging, please replace the battery, or raise the battery shrapnel with a screw driver.

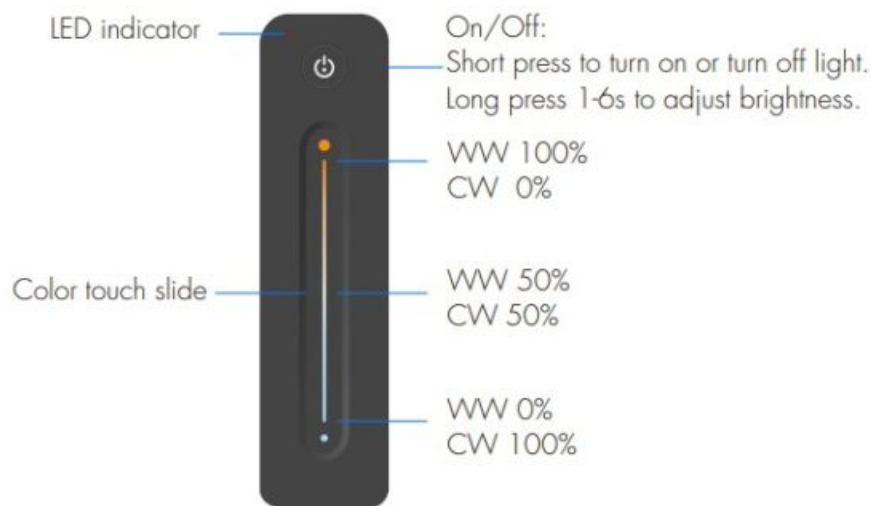
Wiring Diagram



Note:

- Long press the match key for 15s to enable the continuous switch off-on two times rapidly to switch 3 levels color temperature function (This feature is disabled by factory default).
Long press the match key for 10s to restore the factory setting.
- Power failure memory: after setting the light state for 5s, the current light state will be saved automatically, the light state will not be changed when re-powering.

Key Function



Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

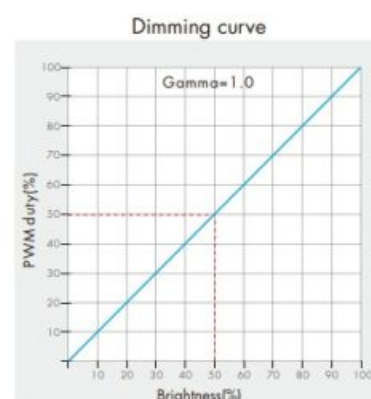
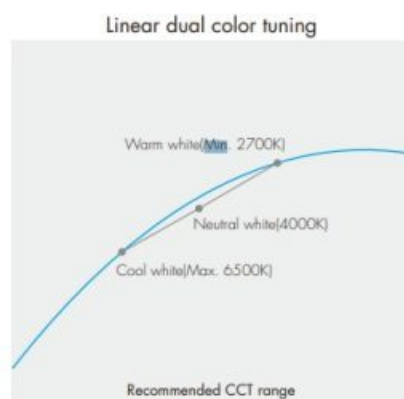
<p>Use the controller's Match key</p> <p>Match: Short press match key, immediately press on/off key of the remote.</p> <p>Delete: Press and hold match key for 5s to delete all match, The light blinks 5 times means all matched remotes were deleted.</p>	<p>Use Power Restart</p> <p>Match: Switch off the power, then switch on power, repeat again. Immediately short press on/off key 3 times on the remote. The light blinks 3 times means match is successful.</p> <p>Delete: Switch off the power, then switch on power, repeat again, Immediately short press on/off key 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.</p>
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Dual Color Control

WW=Warm white LED CW=Cool white LED

Each channel can supply up to 120W(@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white
Power distribution	WW=0W,CW=120W	WW=60W,CW=60W	WW=120W,CW=0W



Light on/off Fade Time

Long press match key 5s, then short press match key 3 times, the lighting effect will be set to the fade in and fade out in 3s, the indicator light of LED controller blinks 3 times.
Long press match key 10s, restore factory default parameter, the light on/off time restores to 0.5s.

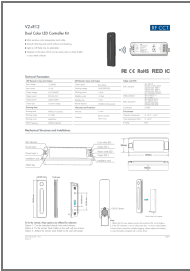
Malfunctions Analysis & Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Uneven intensity between front and rear,with voltage drop	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability. 4. Overload beyond controller cap ability.	1. Reduce cable or loop supply. 2. Change wider wire. 3. Replace higher power supply. 4. Add power repeater.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.

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Documents / Resources

	iskydance V2PlusR12 Dual Color LED Controller Kit [pdf] Owner's Manual V2PlusR12, V2PlusR12 Dual Color LED Controller Kit, V2PlusR12, Dual Color LED Controller K it, Color LED Controller Kit, LED Controller Kit, Controller Kit
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References

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